EAST Search History

| Ref# | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-----------|--------|--|-------|---------------------|---------|---------------------|
| S1 | 4 | ("5741182" "6929543" "5269519" "6394897"). pn. | USPAT | OR | ON | 2008/01/14 09:15 |
| S2 | 130638 | (bat or stick or racket or club or putter) | USPAT | OR | ON | 2007/02/07 11:54 |
| S3 | 0 | (bat or stick or racket or club or putter) same (accelerometer or decelerometer or (accelerat\$3 or decelerat\$3) adj (sensor or detector)) and (gaming or video or game or sport or baseball or cricket or hockey or golf or tennis) adj (computer or machine or device or game or terminal) and (strik\$4 or hitt\$4 or contact\$4 or putt\$4) adj (range or distance or length) and ((speed or velocity or rate or vector) adj (detect\$3 or sens\$3 or calculat\$3 or comput \$3 or determin\$3) with (ball or puck)) | USPAT | OR | ON | 2007/02/07 |
| S4 | 0 | ((bat or stick or racket or club or putter) same ((accelerometer or decelerometer or accelerat\$3 or decelerat\$3) with (sensor or detector))) and (electronic or gaming or video or game or sport or baseball or cricket or hockey or golf or tennis) adj (computer or machine or device or game or terminal) and (strik\$4 or hitt\$4 or contact\$4 or putt\$4) adj (range or distance or length) and ((speed or velocity or rate or vector) adj (detect\$3 or sens\$3 or calculat\$3 or comput \$3 or determin\$3) same | USPAT | OR | ON | 2007/02/07 12:01 |

| <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u> | | (ball or puck)) | | | | |
|--|----|--|-------|----|----|---------------------|
| 55 | 1 | (bat or stick or racket or club or putter) and ((accelerometer or decelerometer or accelerat\$3 or decelerat\$3) with (sensor or detector)) and (electronic or gaming or video or game or sport or baseball or cricket or hockey or golf or tennis) adj (computer or machine or device or game or terminal) and (strik\$4 or hitt\$4 or contact\$4 or putt\$4 or reach\$3) adj (range or distance or length) and ((speed or velocity or rate or vector or trajectory or accelerat\$3 or decelerat\$3 or sens\$3 or calculat\$3 or comput \$5 or determin\$5) same (ball or puck)) | USPAT | OR | ON | 2007/02/07 12:53 |
| S 6 | 29 | (bat or stick or racket or club or putter) and (accelerometer or decelerometer or ((accelerat\$3 or decelerat\$3 or speed or velocity or rate) with (sensor or detector or meter or transducer))) and ((strik \$4 or hitt\$4 or contact\$4 or putt\$4 or reach\$4 or hit or strok\$4 or swing\$4 or contact\$4 or impact \$4) adj (range or distance or length)) and ((speed or velocity or rate or vector or trajectory or accelerat\$3 or decelerat\$3 or force) adj (detect\$3 or sens\$3 or calculat\$3 or comput \$5 or determin\$5) same (ball or puck or object or target)) | USPAT | OR | ON | 2007/02/07 16:48 |

| S 7 | 602 | 463/37.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/07 16:49 |
|------------|------|---|---|----|----|---------------------|
| S 8 | 15 | ("5779555" "4342454" "3945646" "5482283" "5233544" "5351952" "6083123").pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/07 17:09 |
| S9 | 7 | ("5779555" "4342454" "3945646" "5482283" "5233544" "5351952" "6083123").pn. | USPAT | OR | ON | 2007/02/07 17:09 |
| S10 | 2 | "US 20050176485" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2007/02/07 18:08 |
| S11 | 1 | "20050176485".pn. and "range" | US-PGPUB | OR | ON | 2007/02/07 18:09 |
| S12 | 1 | "6394897".pn. and "distance" | USPAT | OR | ON | 2007/02/07 18:09 |
| S13 | 10 | ("4662635" "5534917" "5779548" "6056640").PN. OR ("6394897").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/07 19:20 |
| S14 | 7857 | ((mov\$3 or position\$3 or plac\$3) with ((within or "less than" or "smaller than" or "less" or smaller or lesser or "close" or "near") adj (distance or length or range or reach))) same ("out of range" or "too far" or "out of reach" or beyond or further or farther or ((without or "greater than" or "larger than" or greater or bigger or larger) adj (distance or length or range or reach))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/07 20:35 |
| S15 | 89 | S14 and ("273"/\$.ccls. or "434"/\$.ccls. or "345"/\$.ccls. or "463"/\$.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/07 19:45 |

| S16 | 404 | "463"/\$.ccls. and (tennis or volleyball) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/07 20:19 |
|-----|-----|---|---|----|----|---------------------|
| S17 | 23 | volleyball and (("set" or sett\$3 or spik\$3 or strik \$3 or receiv\$3) adj ("near" or close or closeness or length or distance or proximity)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/07 20:33 |
| S18 | 217 | tennis and ((serv\$3 or strik\$3 or strok\$3 or hit or hitt\$3 or swing\$3 or volley\$3 or slam\$4 or lob \$4 or slic\$3 or smash\$3) adj ("near" or close or closeness or length or distance or proximity or range)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/07 20:35 |
| S19 | 38 | S18 and ("434"/\$.ccls. or "345"/\$.ccls. or "463"/\$.ccls. or "273"/\$.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/07 20:42 |
| S20 | 745 | 463/3,37.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/07 21:13 |
| S21 | 842 | (baseball or softball or cricket) and ((batting or strik\$3) adj (region or zone)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/07 21:14 |
| S22 | 223 | S21 and ("434"/\$.ccls. or "463"/\$.ccls. or "345"/\$.ccls. or "273"/\$.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/07 21:19 |
| S23 | 4 | ("6394897" "6929543" "5741182" "5269519"). pn. | USPAT | OR | ON | 2007/08/20 20:07 |

| S24 | 10 | ("5269519" "5741182" "5823878" "5846086" "6257983" "6312335" "6371849" "6394897" "6746331" "6929543").PN. | US-PGPUB; USPAT | OR | ON | 2007/08/29 21:29 |
|-----|------|--|---|----|----|---------------------|
| S25 | 5265 | (mov\$3 or position\$3 or plac\$5 or distanc\$3 or run \$4) with (player or user or participant or member or hitter) with ((close\$2 or near\$3 or range or distance or zone or region or area or length or proxim\$3 or next) near2 (ball or puck or projectile or missile)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 21:32 |
| S26 | 645 | S25 and ("273"/\$.ccls. or "345"/\$.ccls. or "463"/\$. ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 22:03 |
| S27 | 6847 | (bat or club or racket or racquet or stick or driver or wood or iron or putter or controller) with (accelerometer or ((accelerat\$3 or decelerat \$3) adj (sensor or detector or transducer))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 22:31 |
| S28 | 68 | S27 and "463"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 22:28 |
| S29 | 65 | ("20010034272" "20020128084" "20030040373" "20030054327" "3501152" "3529831" "3563553" "3598796" "3633917" "3712624" "3729315" "3769894" "4577863" "4875684" "5133557" "5313707" "5333876" "5358251" "5413345" "5419565" "5486001" "5820478" "5822549" "5846139" "6033317" "6375579" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 22:29 |

| S30 | 27 | ("20010034272" "20020128084" "20030040373" "20030054327" "3501152" "3529831" "3563553" "3598796" "3633917" "3712624" "3729315" "3769894" "4577863" "4875684" "5133557" "5313707" "5333876" "5358251" "5413345" "5419565" "5486001" "5820478" "5822549" "5846139" "6033317" "6375579" | US-PGPUB; USPAT | OR | ON | 2007/08/29 22:29 |
|-------------|-------|--|---|----|----|---------------------|
| S31 | 0 | S30 and (accelerometer or ((acceleration or deceleration) adj (sensor or detector or transducer))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 22:29 |
| S32 | 60439 | (ball or puck or missile or projectile) near2 (speed or rate or velocity or acceleration or deceleration or direction or path or trajectory) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 22:33 |
| S33 | 52 | S27 same S32 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 22:33 |
| S34 | 19575 | (IR or infra\$1red) with (controller) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 15:51 |
| S 35 | 447 | S34 and "463"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 15:52 |
| S36 | 30 | S35 and accelerometer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 16:09 |

| S 37 | 20 | 463/36.ccls. and (IR or infrared) and (accelerometer or ((acceleration or deceleration) adj (sensor or detector or transducer))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 16:02 |
|-------------|------|---|---|----|----|---------------------|
| S38 | 177 | 463/36.ccls. and (IR or infra\$1red) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 17:02 |
| S39 | 4 | ("5269519" "4940236" "5741182" "6929543"). pn. | USPAT | OR | ON | 2007/08/30 17:03 |
| S40 | 5 | ("5667220" "5779555" "6257983" "6312335" "6394897").PN. | US-PGPUB; USPAT | OR | ON | 2008/01/14 13:33 |
| S41 | 909 | (before with during with after) with (impact\$3 or collid\$3 or collision or crash\$3 or accident or dent\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/14 13:48 |
| S42 | 4477 | qwerty | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/14 15:05 |
| S43 | 527 | (before or ante) same (while or during or meantime or "same time as" or "even as") same (after or post) same (collision or colliding or crash\$3 or impact\$3 or accident) same (stress or force or accelerat\$3 or decelerat\$3 or tension or compression or pressure or strain) same (color or colour or shade or hue or gray\$1scale or bright\$4 or dark\$4 or intens\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/14 16:44 |
| S44 | 237 | 345/647,648.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/14 15:16 |

| S45 | 1 | "5731819".pn. | USPAT | OR | ON | 2008/01/14 16:45 |
|-----|------|--|---|----|----|---------------------|
| S46 | 40 | ("5214758" "5267154" "5315692").PN. OR ("5731819").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/01/14 16:45 |
| S47 | 10 | three\$1dimension\$4 with ((strike or batting) near zone) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 15:03 |
| S48 | 1 | (x with y with z) with ((strike or batting) near zone) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 15:14 |
| S49 | 6 | ((high or height) with (deep or depth or long or length) with (deep or depth with wide or width)) with ((strike or batting) near zone) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 15:16 |
| S50 | 39 | (((high or height) with (deep or depth or long or length) with (deep or depth with wide or width)) or (x with y with z) or (three\$1dimension \$4)) same ((strike or batting) near zone) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 15:18 |
| S51 | 23 | S50 not (S47 or S48 or S49) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 15:19 |
| S52 | 401 | (player or sprite or athlete or batter or member) with (intercept \$3) with ball | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 15:29 |
| S53 | 1217 | automatic\$4 with (intercept\$3 or receiv\$3 or recept\$3) with ball | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 16:12 |

| S54 | 532 | automatic\$4 with ((intercept\$3 or receiv\$3 | US-PGPUB; USPAT; | OR | ON | 2008/04/04 16:21 |
|-------------|------|---|---|----|----|---------------------|
| | | or recept\$3) near2 ball) | USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | | | 10.21 |
| S 55 | 30 | "togami, kenji".in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 17:16 |
| S56 | 17 | ("4662635" "4672541" "5320351" "5489099" "5534917" "5779548" "6056640").PN. OR ("2002/0065119" "6371849" "6394897" "6428411").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/04 17:17 |
| S57 | 17 | ("4662635" "4672541" "5320351" "5489099" "5534917" "5779548" "6056640").PN. OR ("6371849" "6394897" "6428411").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/04 17:18 |
| S58 | 2080 | (Al or "artificial intelligence") same ((hit \$4 or intercept\$3 or receiv\$3 or reception or catch\$3 or bat or bats or batt\$3) near2 ball) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 18:20 |
| S59 | 1 | ("artificial intelligence") same ((hit\$4 or intercept \$3 or receiv\$3 or reception or catch\$3 or bat or bats or batt\$3) near2 ball) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 18:21 |
| S60 | 32 | ("artificial intelligence") same (football or soccer or tennis or volleyball or golf or cricket or rugby or hockey or softball or basketball or polo) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 18:23 |
| S61 | 67 | ("artificial intelligence" near2 (opponent or player or adversary or athlete)) or "Al opponent" or "Al player" or "Al athlete" or "Al adversary" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 18:41 |

| S62 | 2 | "7059963".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 18:50 |
|-----|-----|---|---|-----|----|---------------------|
| S63 | 9 | ("4215861" "4915384" "5816953" "6135456" "6244956" "6334813" "6371849" "6431982" "6461237").PN. OR ("7059963").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/04 18:51 |
| S64 | 2 | "5882204".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/04 19:01 |
| S65 | 14 | ("4160942" "4751642" "5138322" "5553846").PN. OR ("5882204").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/04/04 19:01 |
| S66 | 139 | (US-20010011035-\$ or US-20020016194-\$ or US-20020016195-\$ or US-20020065119-\$ or US-200201707058-\$ or US-20020115482-\$ or US-20020177477-\$ or US-2002018386-\$ or US-20020183961-\$ or US-20020183961-\$ or US-20020187846-\$ or US-20030017863-\$ or US-20030040349-\$ or US-20030073492-\$ or US-20030148815-\$ or US-20030148815-\$ or US-20030148817-\$ or US-20030171169-\$ or US-20030171169-\$ or US-20030207718-\$ or US-20030207718-\$ or US-20030207718-\$ or US-20040032970-\$ or US-20040166934-\$ or US-20040166934-\$ or US-2005017454-\$ or US-2005017454-\$ or US-20050176485-\$ or US-20050179202-\$ or US-20050179202-\$ or US-20050227775-\$ or US-200500227775-\$ or US-20050050227775-\$ or US-2005050227775-\$ or US-20050050227775-\$ | US-PGPUB; USPAT; DERWENT | POR | ON | 2008/04/04 |

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| 20060232052-\$ or US- | | | |
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| 4302011-\$ or US- | | | |
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| 4372556-\$ or US- | | | |
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| 4401304-\$ or US- | | | |
| 4545576-\$ or US- | | | |
| 4672541-\$ or US- | | | |
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| 5882204-\$ or US- | | | |
| 5930741-\$ or US- | | | |
| 5951410-\$ or US- | | | |
| 6071002-\$ or US- | | | |
| 6093923-\$ or US- | | | |
| 6102801-\$ or US- | | | |
| 6120374-\$ or US- | | | |
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| 6196919-\$ or US- | | | |
| 6244956-\$ or US- | | | |
| 6257983-\$ or US- | | | |
| 6270413-\$ or US- | | | |
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| 6371849-\$ or US- | | | |
| 6394894-\$ or US- | | | |

| S67 | 5 | ("5667220" "5779555" "6257983" "6312335" "6394897").PN. | US-PGPUB; USPAT | OR | ON | 2008/04/04 21:09 |
|-----|---|--|--------------------|----|----|---------------------|
| 67 | | • | - 2 | OR | OZ | · (|
| | | 6398647-\$ or US- 6428411-\$ or US- 6461237-\$ or US- 6478678-\$ or US- | | | | |

| S68 | 331 | 463/3,4.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/02 22:26 |
|-----|---|---|---|----|----|---------------------|
| S69 | 1575 | 463/30,31.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/02 22:27 |
| S70 | 1780 | 463/36-39.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/02 22:27 |
| S71 | 3411 | S68 or S69 or S70 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/02 23:16 |
| S72 | *************************************** | (US-20080280660-\$ or US-20080242427-\$ or US-20080234022-\$ or US-20080234022-\$ or US-20080200223-\$ or US-20080076566-\$ or US-20050003877-\$ or US-20050003877-\$ or US-20020177477-\$ or US-2002016194-\$).did. or (US-7461394-\$ or US-7436983-\$ or US-7424388-\$ or US-7390254-\$ or US-7059963-\$ or US-703269-\$ or US-6881149-\$ or US-688980-\$ or US-6461237-\$ or US-6394897-\$ or US-6394894-\$ or US-6394894-\$ or US-6371849-\$ or US-6394894-\$ or US-6371849-\$ or US- | US-PGPUB; USPAT | OR | ON | 2009/01/02 |

| | 6312335-\$ or US- 6257983-\$ or US- 6244956-\$ or US- 6120374-\$).did. | | | | |
|-----|--|---------------------------|----|----|------------|
| 573 | ("20010005689" "20010006908" "20010008846" "20010027130" "20020103016" "20030017863" "20030022707" "3874669" "4215861" "4324402" "4395760" "4839838" "4915384" "5059958" "5128671" "5423554" "5435554" "5440326" "5532923" "5634848" "5636920" "5702323" "5735743" "5769713" "5802220" "5816953" "5863248" "5882204" "5898421" "5913727" "6045446" "6066075" "6071002" "6072467" "6081619" "6120374" "6135456" "6149520" "6152821" "6149520" "6152821" "6244956" "6256047" "6227973" "6227974" "6244956" "6256047" "6292706" "6315673" "6334813" "6340332" "6398647" "6371849" "6398647" "6431982" "6461237" "6482090" "6503144" "6558258" "6663491" "6558258" "6663491" "6908386" "6908388" "7094147" "7148913" "7160191" "7300345").PN. OR ("7033269" "7059963" "7390254" "7399224" "7424388" "7436983" "7461394").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/02 |

| S74 | 87 | ("20010005 | 689" I | US-PGPUB; | OR | ON | 2009/01/02 |
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| 0,4 | ٠ | | | USPAT; USOCR | | OIV | 23:18 |
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| | | "5366376" | "5395242" | | | | |
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| | | "5462275" | "5489099" | | | | |
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| | | "5534917" | "5601487" "5717949" | | | | |
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| | | "6398647" | ' "6428411" | | | | |
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| | *************************************** | "6746331" | • | | | | |
| | | "6881149" | • | | | | |
| | | "7022014"). | .URPN. | | | | |
| S75 | 69 | ("2150088" | "4326715" | US-PGPUB; | OR | ON | 2009/01/02 |
| | | "4386776" | • | USPAT; USOCR | | | 23:18 |
| | 3 | "4672541" | | | | | |
| | | "5080377" | • | | | | |
| | | "5195179" | • | | | | |
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| | | "5432530" | | | | | |
| | | "5516105" | • | | | | |
| | | "5601487" | • | | | | |
| | | "5713792" | • | | | | |
| | *************************************** | 3713792 "5764219" | • | | | | |
| | | 5764219 "5786805" | • | | | | |
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| | | "5947819" | ' "6052115" | | | | |

| | | "6056640" "6069614" "6102803" "6115029" "6120374" "6152821").PN. OR ("6120374" "6244956" "6257983" "6312335" "6371849").URPN. | | | | |
|-----|-----|--|---------------------------|-----|----|---------------------|
| S76 | 182 | S73 or S74 or S75 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/02 23:18 |
| S77 | 10 | ("2833549" "5414256" "5435554" "5741182" "6157898" "6312335" "6517438" "6545661" "6929543").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/03 00:14 |
| S78 | 1 | ("20030017863").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/03 00:15 |
| S79 | 5 | ("20010008840" "20010008851" "20040176165" "20040180709" "20040214623").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/03 00:16 |
| S80 | 2 | ("20020103016" "6368210").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/03 00:16 |
| S81 | 26 | ("20020065119" "20020065119" "20020177477" "20030171146" "20030171146" "20040161132" "20050003877" "20050176502" "4372556" "4386776" "4391444" "4738451" "5394168" "5394168" "5728960" "5863248" "6010404" "6120374" "6152821" "6270413" "6271833" "6271833" "6280323" "6280323" "6354942" "6428411" "6517432" "6743099" "6743099" "6786818" "7189161" "7199794"). PN. | US-PGPUB; USPAT; USOCR | MOR | ON | 2009/01/03 |

| S82 | 16 | ("20010016517" "20010016517" "20010016518" "20010016518" "20020021283" "20020054021" "20020095224" "20020097223" "20040166933" "4791581" "5625575" "5731819" "5982352" "6191796" "6708142" "6831572" "7126460" "7375678").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/03 00:18 |
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| S83 | 25 | ("20010005689" "20010006908" "20010008846" "20010027130" "20020103016" "20030017863" "20030022707" "4324402" "4395760" "5435554" "5769713" "6045446" "6120374" "6183363" "6244956" "6257983" "6270413" "6292706" "6334813" "6394894" "6394894" "6398647" "6482090" "6527637").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/03 00:19 |
| S84 | 79 | S77 or S78 or S79 or S80 or S81 or S82 or S83 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/03 00:20 |
| S85 | 47 | S84 not S76 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/03 00:20 |
| S86 | 4 | ("5667220" "6394897" "6312335" "6746331"). pn. | USPAT | OR | ON | 2009/01/13 16:56 |
| S87 | 1 | "09017223".pn. | JPO | OR | ON | 2009/01/13 18:45 |
| S88 | 0 | "09017223".ap. | JPO | OR | ON | 2009/01/13 18:45 |

| S89 | 941 | 463/2-5,7.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/13 21:01 |
|-----|------|---|---|----|----|---------------------|
| S90 | 3198 | 463/30,31,36-39.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/13 22:45 |
| S91 | 2901 | S90 not S89 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/01/13 22:50 |
| S92 | 23 | ("4545576" "5269519" "5667220" "5741182" "5779555" "5823878" "5833549" "5846086" "5846139" "5882204" "6028593" "6227974" "6257893" "6257983" "6308565" "6312335" "6371849" "6394894" "6394897" "6482090" "6746331" "6929543" "7059963").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/13 23:39 |
| S93 | 133 | ("2150088" "4215861" "4521020" "4627620" "4645458" "4662635" "4695953" "4702475" "4751642" "4817950" "4844475" "4915384" "4924131" "4925189" "5148154" "5195179" "5203563" "5229756" "5232223" "5239463" "5288078" "5320538" "5347306" "5385519" "5405152" "5495576" "55443530" "5542672" "5534917" "5542672" "5577981" "5580249" "5597309" "5641288" "5704837" "5710574" "5713792" "5779548" "5786805" "5816953" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/13 23:39 |

| | | "5835077" "5877748" "6052115" "6069614" "6098458" "6102801" "6135456" "6231440" "6270413" "6334813" "6394897" "6461237" "6582309" "D428937" 'RE33662").F ("6257983" "6312335" "6394894" "6482090" "6929543" '7059963").U | "6308565" "6371849" "6394897" "6746331" | | | | |
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| \$94 | 534 | ("2906179" "3230421" "3490059" "3531868" "3717857" "3875488" "3919691" "3945646" "4125800" "4148014" "4160942" "4306722" "4341384" "4355805" "4372558" "4457715" "4477043" "4550221" "4550221" "4593470" "4593470" "4652121" "4654648" "4679331" "4689449" "4703443" "4703443" "470343" "4750587" "4759219" "4787051" | "3408750" "3531116" "3572706" "3795150" "3890958" "3944798" "4114882" "4136387" "4150825" "4216467" "4337049" "4342455" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/13 23:40 |

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| | "5741182" | | | | |
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| | | "6028593" "6227974" "6257893").URPN. | | | | |
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| S95 | 95 | ("3229975" "3531116" "3793481" "4136387" "4137566" "4264072" "4588187" "4695953" "4767121" "4816810" "4817950" "4858934" "4924216" "4976435" "5421590" "5551701").PN. OR ("4545576" "5269519" "5667220").URPN. | , , | OR | ON | 2009/01/13 23:40 |
| S96 | 730 | S93 or S94 or S95 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/01/13 23:40 |

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